STIC Search Report

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TO:	From:
John Chu Location: Remsen 9d51 Monday, October 02, 2006 Art Unit: 1752 Phone: 571-272-1329 Serial Number: 10 / 773366	Jan Delaval Location: EIC 1700 Remsen 4a30 Phone: 571-272-2504 jan.delaval@uspto.gov

Search Notes

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=> fil reg
FILE 'REGISTRY' ENTERED AT 13:29:18 ON 02 OCT 2006
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STRUCTURE FILE UPDATES:   29 SEP 2006  HIGHEST RN 909185-74-6
DICTIONARY FILE UPDATES:  29 SEP 2006  HIGHEST RN 909185-74-6

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http://www.cas.org/ONLINE/UG/regprops.html

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L29             STR
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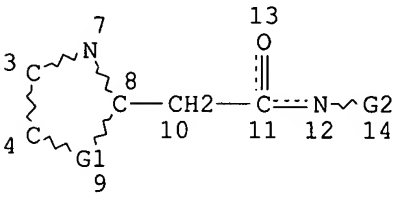


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VAR G2=AK/CY
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  10

STEREO ATTRIBUTES: NONE
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100.0% PROCESSED    8455 ITERATIONS                    687 ANSWERS
SEARCH TIME: 00.00.01


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L2            10 S E3
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L3          1181 S E3-E6,E24,E44
                 E NAOKI/AU
L4             2 S E3,E50
                 E MATSUSHITA/AU
L5             3 S E3
                 E MATSUSHITA T/AU
L6           663 S E3,E72,E77
                 E MATSUSHITA NAME/AU
L7            18 S E4
                 E TETSUNORI/AU
                 E FUJITA/AU
L8             5 S E3
L9           182 S E4,E5
L10           47 S E27
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L11           54 S E4
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                 E TAKEUCHI/AU
                 E TAKEUCHI Y/AU
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                 E TAKEUCHI YOH/AU
L13           10 S E5,E6
                 E TAKEUCHI NAME/AU
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                 E YOHSUKE/AU
                 E HIGUCHI/AU
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                 E HIGUCHI S/AU
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                 E SATOSHI/AU
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                 E IKEDA/AU
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                 E IKEDA K/AU
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                 E IKEDA KIMI/AU
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                 E IKEDA NAME/AU
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                 E KIMI/AU
                 SEL RN L1

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L34           4 S L26 AND L31

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                EDIT E15-E20 /AN /OREF

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L37           6 S L36 NOT (BILLMAN ? OR ASINGER ? OR MAHAPATRA ?)/AU
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L39           5 S L38 AND L37
L40           6 S L37,L39
L41           9 S L38 AND L1-L25
                E TAKEUCHI YOSUKE/AU
L42          70 S E3,E4
                E  YOSUKE/AU
L43           2 S L38 AND L42
L44           9 S L41,L43
L45          22 S L38 AND FUJI?/PA,CS
L46         111 S L38 AND (PY<=2003 OR PRY<=2003 OR AY<=2003)
L47          38 S L46 NOT P/DT
L48          73 S L46 NOT L47
L49          64 S L48 AND (PD<=20030210 OR PRD<=20030210 OR AD<=20030210)
L50         102 S L47,L49
L51           5 S L44 AND L46
L52         105 S L50,L51
                E RECORDING MATERIAL/CT
L53        3700 S E16
                E E4+ALL
L54      209903 S E2+OLD,NT
                E E47+ALL
                E E2+ALL
                E E57+ALL
L55      250289 S E2+OLD,NT
                E E66+ALL
L56      243502 S E1+OLD,NT
L57          20 S L52 AND L53-L56
L58          29 S (PHOTO? OR REPROGRAPH?)/SC,SX AND L52
L59           4 S RECORDING AND L52
L60          29 S L57-L59
L61           8 S L60 AND ?DIAZO?
L62          14 S L60 AND ?COUPL?
L63          16 S L61,L62
L64          16 S L51,L63
L65          13 S L60 NOT L64
                SEL HIT RN

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L68           3 S L66 NOT L67

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L71          16 S L69 NOT L70

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L73           6 S L72 AND L44
L74           7 S L72 AND FUJI?/PA,CS
L75           2 S L72-L74 AND (PD<=20030210 OR PRD<=20030210 OR AD<=20030210)
L76           2 S L75 AND (?DIAZO? OR ?COUPL?)
L77           2 S L75 AND L53-L56
L78           2 S L75 AND (PHOTO? OR REPROGRAPH?)/SC,SX
L79           2 S L75 AND RECORD?
L80           2 S L75-L79
L81           5 S L74 NOT L80

     FILE 'REGISTRY' ENTERED AT 13:29:18 ON 02 OCT 2006

=> fil hcaplus
FILE 'HCAPLUS' ENTERED AT 13:29:39 ON 02 OCT 2006
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FILE COVERS 1907 - 2 Oct 2006  VOL 145 ISS 15
FILE LAST UPDATED: 1 Oct 2006  (20061001/ED)

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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

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L80  ANSWER 1 OF 2  HCAPLUS  COPYRIGHT 2006 ACS on STN
AN   2004:717794  HCAPLUS
DN   141:233287
ED   Entered STN:  02 Sep 2004
TI   Novel azonitrile acetate derivative coupler and
     recording material containing the same with improved storage
     stability
IN   Fujita, Akinori; Saito, Naoki; Takeuchi,
     Yosuke; Higuchi, Satoshi; Arioka, Daisuke; Ikeda, Takayoshi
PA   Fuji Photo Film Co., Ltd., Japan
SO   Jpn. Kokai Tokkyo Koho, 39 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
IC   ICM  C07D0277-10
     ICS  B41M0005-28; B41M0005-30; C07D0277-82; C07D0207-20; C07D0211-70;
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C07D0233-26; C07D0263-14; C07D0263-56; C07D0277-12
CC 74-10 (Radiation Chemistry, **Photochemistry**, and **Photographic** and Other **Reprographic** Processes)
Section cross-reference(s): **41**

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2004244316	A2	20040902	JP 2003-32491	20030210 <--
PRAI JP 2003-32491		20030210 <--		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 2004244316	ICM	C07D0277-10
	ICS	B41M0005-28; B41M0005-30; C07D0277-82; C07D0207-20; C07D0211-70; C07D0233-26; C07D0263-14; C07D0263-56; C07D0277-12
	IPCI	C07D0277-10 [ICM,7]; B41M0005-28 [ICS,7]; B41M0005-30 [ICS,7]; C07D0277-82 [ICS,7]; C07D0207-20 [ICS,7]; C07D0207-00 [ICS,7,C*]; C07D0211-70 [ICS,7]; C07D0211-00 [ICS,7,C*]; C07D0233-26 [ICS,7]; C07D0233-00 [ICS,7,C*]; C07D0263-14 [ICS,7]; C07D0263-56 [ICS,7]; C07D0263-00 [ICS,7,C*]; C07D0277-12 [ICS,7]; C07D0277-00 [ICS,7,C*]
	IPCR	B41M0005-28 [I,A]; B41M0005-28 [I,C*]; B41M0005-30 [I,A]; B41M0005-30 [I,C*]; C07D0207-00 [N,C*]; C07D0207-20 [N,A]; C07D0211-00 [N,C*]; C07D0211-70 [N,A]; C07D0233-00 [N,C*]; C07D0233-26 [N,A]; C07D0263-00 [N,C*]; C07D0263-14 [N,A]; C07D0263-56 [N,A]; C07D0277-00 [I,C*]; C07D0277-10 [I,A]; C07D0277-12 [N,A]; C07D0277-82 [I,A]
	FTERM	2H026/AA07; 2H026/BB42; 2H026/BB43; 2H026/FF05; 4C033/AC10; 4C033/AC16; 4C054/AA03; 4C054/BB01; 4C054/CC01; 4C054/DD04; 4C054/DD19; 4C054/EE01; 4C054/FF01; 4C056/AA01; 4C056/AB01; 4C056/AC02; 4C056/AD01; 4C056/AD03; 4C056/AE02; 4C056/AF01; 4C056/BA13; 4C056/CA12; 4C069/AB03

OS MARPAT 141:233287
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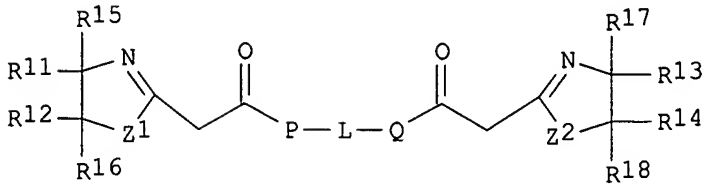


I

AB Disclosed is the novel azonitrile acetate derivative **coupler** which is represented by I (R11-18 = H, alkyl, aryl, etc.; P, Q = single bond, O, amino; L = single bond, divalent organic group; and Z1,2 = S, O, etc.;). Also disclosed is the **recording** material containing said **coupler** and a **diazonium** salt, in which the **diazonium** salt is encapsulated in a microcapsule.

ST azonitrile acetate deriv **coupler diazonium** salt **recording** material

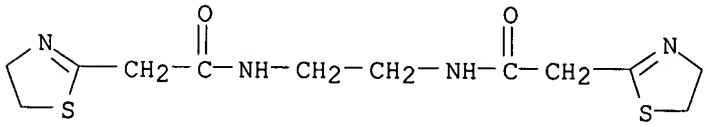
IT **Diazo process**
(novel azonitrile acetate derivative **coupler** for **recording** material with improved storage stability)

IT 748795-41-7P **748795-42-8P 748795-43-9P 748795-44-0P**
RL: NUU (Other use, unclassified); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
(novel azonitrile acetate derivative **coupler** for **recording** material with improved storage stability)

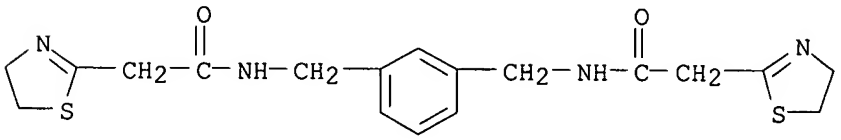
IT 75-75-2, Methanesulfonic acid 105-56-6, Ethyl cyanoacetate 107-15-3, Ethylene diamine, reactions 372-09-8, Cyanoacetic acid 1477-55-0, 1,3-Benzenedimethanamine 29256-90-4, Diaminocyclohexane
RL: RCT (Reactant); RACT (Reactant or reagent)
(novel azonitrile acetate derivative **coupler** for **recording** material with improved storage stability)

IT **748795-42-8P 748795-43-9P 748795-44-0P**
RL: NUU (Other use, unclassified); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
(novel azonitrile acetate derivative **coupler** for **recording** material with improved storage stability)

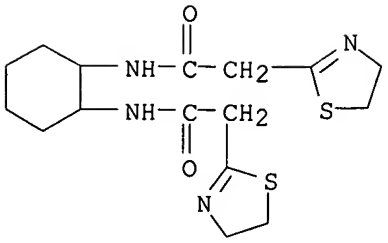
RN 748795-42-8 HCAPLUS
CN 2-Thiazoleacetamide, N,N'-1,2-ethanediylbis[4,5-dihydro- (9CI) (CA INDEX NAME)



RN 748795-43-9 HCAPLUS
CN 2-Thiazoleacetamide, N,N'-[1,3-phenylenebis(methylene)]bis[4,5-dihydro- (9CI) (CA INDEX NAME)



RN 748795-44-0 HCAPLUS
CN 2-Thiazoleacetamide, N,N'-1,2-cyclohexanediylbis[4,5-dihydro- (9CI) (CA INDEX NAME)



L80 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:652513 HCAPLUS
DN 141:197403
ED Entered STN: 13 Aug 2004
TI Azolinyl acetic acid derivative and azolinyl acetic acid derivative containing **recording** material
IN **Saito, Naoki; Matsushita, Tetsunori; Fujita, Akinori; Takeuchi, Yohsuke; Higuchi, Satoshi; Ikeda, Kimi**
PA **Fuji Photo Film Co., Ltd., Japan**
SO U.S. Pat. Appl. Publ., 25 pp.
CODEN: USXXCO
DT Patent
LA English
IC ICM G03C0001-492
INCL 430270100
CC 74-7 (Radiation Chemistry, **Photochemistry**, and **Photographic** and Other **Reprographic** Processes)
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2004157157	A1	20040812	US 2004-773366	20040209 <--
JP 2004262238	A2	20040924	JP 2004-26855	20040203 <--
PRAI JP 2003-32490	A	20030210 <--		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2004157157	ICM	G03C0001-492
	INCL	430270100
	IPCI	G03C0001-492 [ICM,7]; G03C0001-005 [ICM,7,C*]
	IPCR	G03C0001-52 [I,C*]; G03C0001-54 [I,A]; G03C0001-58 [I,A]
	NCL	430/270.100
	ECLA	G03C001/54; G03C001/58
JP 2004262238	IPCI	B41M0005-30 [ICM,7]; B41M0005-28 [ICS,7]; C07D0209-08 [ICS,7]; C07D0209-00 [ICS,7,C*]; C07D0263-14 [ICS,7]; C07D0263-56 [ICS,7]; C07D0263-00 [ICS,7,C*]; C07D0277-10 [ICS,7]; C07D0277-12 [ICS,7]; C07D0277-22 [ICS,7]; C07D0277-00 [ICS,7,C*]; C07D0295-12 [ICS,7]; C07D0295-00 [ICS,7,C*]; C07D0413-06 [ICS,7]; C07D0413-12 [ICS,7]; C07D0413-00 [ICS,7,C*]
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C07D0413-00 [I,C*]; C07D0413-06 [I,A]; C07D0413-12 [I,A]

FTERM 2H026/AA07; 2H026/AA32; 2H026/BB42; 2H026/BB43; 2H026/EE00; 2H026/FF05; 4C033/AC07; 4C033/AC10; 4C033/AC16; 4C056/AA01; 4C056/AB01; 4C056/AC02; 4C056/AD01; 4C056/AD03; 4C056/AE02; 4C056/BA13; 4C056/BB01; 4C056/BC01; 4C056/FA16; 4C056/FB01; 4C056/FC01; 4C063/AA01; 4C063/BB09; 4C063/CC75; 4C063/CC81; 4C063/DD52; 4C063/EE10; 4C204/BB05; 4C204/CB03; 4C204/DB01; 4C204/EB01; 4C204/FB17; 4C204/GB31

OS MARPAT 141:197403

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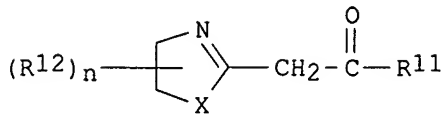


I

AB The present invention relates to a thermal **recording** material having, on a support, a **recording** layer containing an azolinyl acetic acid derivative and a **diazo** compound The azolinyl acetic acid derivative is preferably is a compound represented by formula I (X = O, S; R11 = alkyl group, an aryl group, a heterocyclic group, -OR13 or -NR14R15; R12 = a substituent; R13 = an alkyl group, an aryl group or a heterocyclic group; R14,15 = H, an alkyl group, an aryl group or a heterocyclic group; n = 0-4; and, when n≥ 2, two or more R12s may be linked with each other to form a ring).

ST azolinyl acetic acid deriv thermal **recording** material

IT **Recording materials**
(**thermal**; azolinyl acetic acid derivative for **thermal** **recording** material)

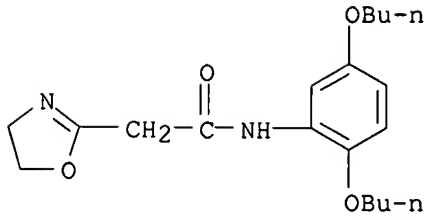
IT **737767-86-1P 737767-87-2P** 737767-88-3P
737767-89-4P 737767-90-7P 737767-91-8P
RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(azolinyl acetic acid derivative for thermal **recording** material)

IT 75-08-1, Ethanethiol 141-43-5, Ethanolamine, reactions 15029-38-6 178246-71-4 737767-82-7 737767-83-8 737767-84-9 737767-85-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of azolinyl acetic acid derivative for thermal **recording** material)

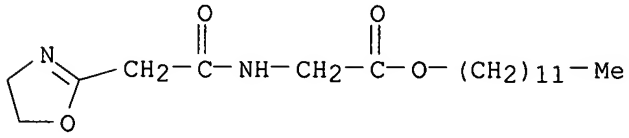
IT **737767-86-1P 737767-87-2P 737767-89-4P 737767-90-7P**
RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(azolinyl acetic acid derivative for thermal **recording** material)

RN 737767-86-1 HCAPLUS

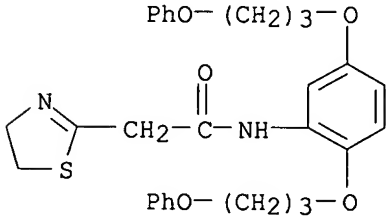
CN 2-Oxazoleacetamide, N-(2,5-dibutoxyphenyl)-4,5-dihydro- (9CI) (CA INDEX NAME)



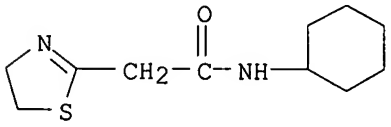
RN 737767-87-2 HCAPLUS
CN Glycine, N-[(4,5-dihydro-2-oxazolyl)acetyl]-, dodecyl ester (9CI) (CA INDEX NAME)



RN 737767-89-4 HCAPLUS
CN 2-Thiazoleacetamide, N-[2,5-bis(3-phenoxypropoxy)phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)



RN 737767-90-7 HCAPLUS
CN 2-Thiazoleacetamide, N-cyclohexyl-4,5-dihydro- (9CI) (CA INDEX NAME)



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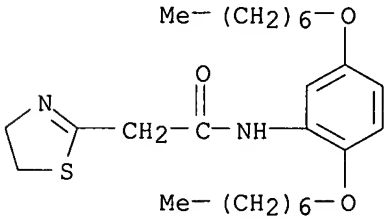
L81 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:1146213 HCAPLUS
DN 143:413561
TI Organic base content-controlled heat-developable diazo recording material with
IN Ikeda, Kimi
PA **Fuji Photo Film Co., Ltd., Japan**

SO Jpn. Kokai Tokkyo Koho, 69 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2005297378	A2	20051027	JP 2004-117538	20040413
PRAI JP 2004-117538		20040413		

OS MARPAT 143:413561
AB The material has a recording layer containing a diazo compound, a coupler, and an organic base with pka >5 in less mol content than that of the diazo compound The material shows improved color development, hue, and less light stain.
IT **769171-75-7**
RL: TEM (Technical or engineered material use); USES (Uses)
(coupler; organic base content-controlled heat-developable diazo recording material)
RN 769171-75-7 HCAPLUS
CN 2-Thiazoleacetamide, N-[2,5-bis(heptyloxy)phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)

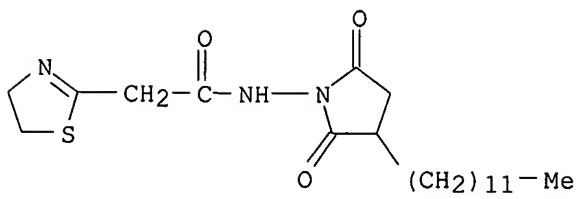


L81 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:541801 HCAPLUS
DN 143:68419
TI Diazo recording material containing acylhydrazide coupler and diazo compound
IN Saito, Naoki; Ikeda, Takayoshi
PA **Fuji Photo Film Co., Ltd., Japan**
SO Jpn. Kokai Tokkyo Koho, 38 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2005161698	A2	20050623	JP 2003-404259	20031203
PRAI JP 2003-404259		20031203		

OS MARPAT 143:68419
AB The material has a recording layer containing the acylhydrazide coupler and the diazo compound on a support. The material shows improved color developability, raw stock stability, and light stability and reduced background stain.
IT **854089-25-1**
RL: TEM (Technical or engineered material use); USES (Uses)
(coupler; diazo recording material containing acylhydrazide coupler and diazo compound)
RN 854089-25-1 HCAPLUS
CN 2-Thiazoleacetamide, N-(3-dodecyl-2,5-dioxo-1-pyrrolidinyl)-4,5-dihydro-

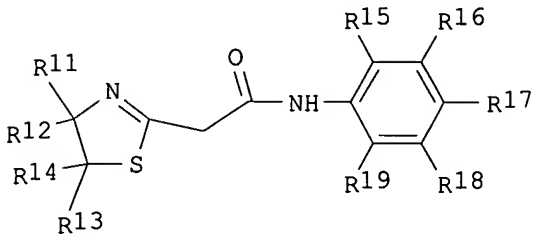
(9CI) (CA INDEX NAME)



L81 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:96013 HCAPLUS
DN 142:186610
TI Heat-developable diazo recording material using specific coupler
IN Higuchi, Satoshi; Arioka, Daisuke; Ikeda, Takayoshi
PA **Fuji Photo Film Co., Ltd., Japan**
SO Jpn. Kokai Tokkyo Koho, 42 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2005028613	A2	20050203	JP 2003-193339	20030708
PRAI JP 2003-193339		20030708		

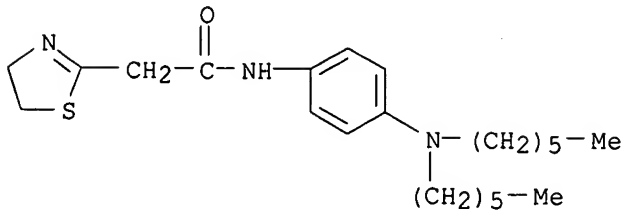
OS MARPAT 142:186610
GI



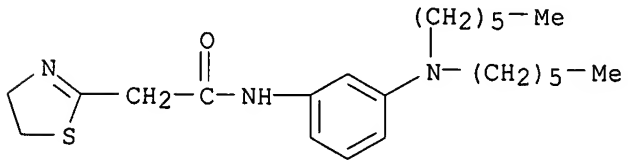
I

AB The material contains a diazonium compound and a coupler I [R11-14 = H, alkyl, alkoxy, aryloxy, alkoxycarbonyl, aryloxycarbonyl, acyloxy, acyl, carbamoyl, acylamino, sulfamoyl, sulfonamide; R15-19 = H, halo, cyano, alkyl, aryl, alkoxy, aryloxy, alkylthio, arylthio, alkylsulfonyl, arylsulfonyl, alkoxycarbonyl, aryloxycarbonyl, acyloxy, acyl, carbamoyl, acylamino, sulfamoyl, sulfonamide, amino, hydrazino, hydroxyamino,urea, thiourea; ≥1 of R16-18 has Hammett's σp ≤-0.30] or its tautomer. The material shows good storage stability and gives clear yellow images with lightfastness.
IT **833487-25-5 833487-26-6 833487-27-7 833487-28-8 833487-29-9 833487-30-2 833487-31-3**
RL: TEM (Technical or engineered material use); USES (Uses)
(coupler; heat-developable diazo recording material using specific coupler)
RN 833487-25-5 HCAPLUS

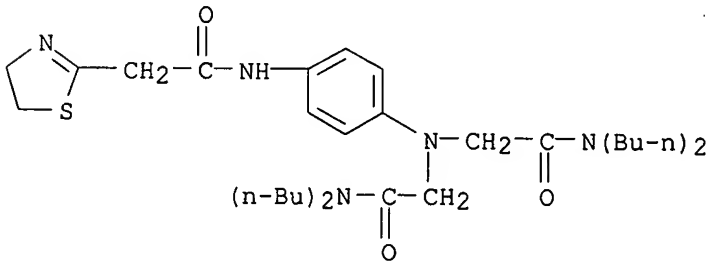
CN 2-Thiazoleacetamide, N-[4-(dihexylamino)phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)



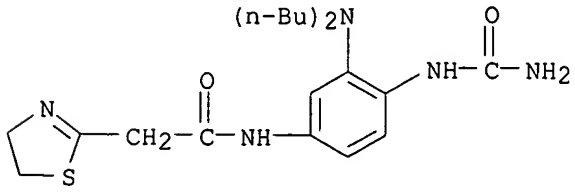
RN 833487-26-6 HCAPLUS
CN 2-Thiazoleacetamide, N-[3-(dihexylamino)phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)



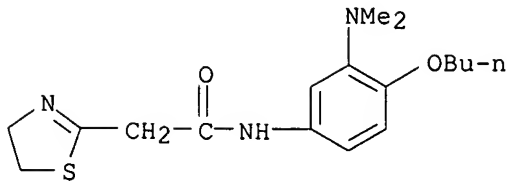
RN 833487-27-7 HCAPLUS
CN 2-Thiazoleacetamide, N-[4-[bis[2-(dibutylamino)-2-oxoethyl]amino]phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)



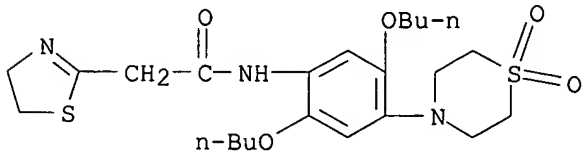
RN 833487-28-8 HCAPLUS
CN 2-Thiazoleacetamide, N-[4-[(aminocarbonyl)amino]-3-(dibutylamino)phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)



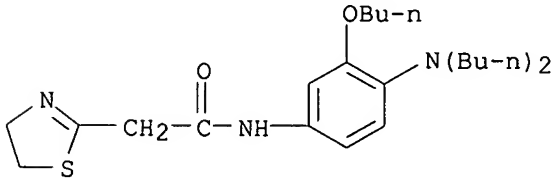
RN 833487-29-9 HCAPLUS
CN 2-Thiazoleacetamide, N-[4-butoxy-3-(dimethylamino)phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)



RN 833487-30-2 HCAPLUS
CN 2-Thiazoleacetamide, N-[2,5-dibutoxy-4-(1,1-dioxido-4-thiomorpholinyl)phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)



RN 833487-31-3 HCAPLUS
CN 2-Thiazoleacetamide, N-[3-butoxy-4-(dibutylamino)phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)



L81 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:876324 HCAPLUS
DN 141:358159
TI Heat-developable diazo copying materials producing images with good lightfastness
IN Ikeda, Takayoshi; Saito, Naoki; Kanayama, Shuji
PA **Fuji Photo Film Co., Ltd., Japan**
SO Jpn. Kokai Tokkyo Koho, 52 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2004291477	A2	20041021	JP 2003-88531	20030327
PRAI JP 2003-88531		20030327		

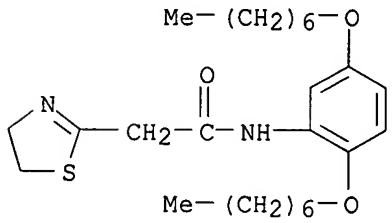
OS MARPAT 141:358159
AB The materials have copying layers containing azolinylacetic acids as couplers and diazo compds. sandwiched between ≥2 layers showing O permeability ≤20 mL/m2-day. Thus, a material comprising sequential layers of a PET film, an undercoating layer (O permeability 0.01

mL/m2-day), a cyan copying layer containing nondiazo dye, an intermediate layer (O permeability 17 mL/m2-day), a magenta copying layer containing a diazonium compound and a coupler, an intermediate layer (O permeability 24 mL/m2-day), a yellow copying layer containing a diazonium compound and a coupler, a light transmission controlling layer (O permeability 4.3 mL/m2-day), and a protective layer (O permeability 152 mL/m2-day).

IT **769171-75-7**
RL: TEM (Technical or engineered material use); USES (Uses)
(heat-developable diazo copying materials using azolinylacetic acid couplers and producing images with good lightfastness)

RN 769171-75-7 HCAPLUS

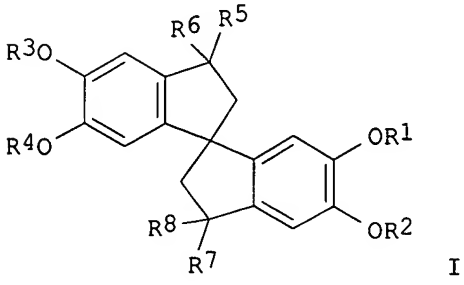
CN 2-Thiazoleacetamide, N-[2,5-bis(heptyloxy)phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)



L81 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:816535 HCAPLUS
DN 141:322669
TI Heat-developable diazo recording materials
IN Ikeda, Takayoshi
PA **Fuji Photo Film Co., Ltd., Japan**
SO Jpn. Kokai Tokkyo Koho, 52 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2004276293	A2	20041007	JP 2003-67630	20030313
PRAI JP 2003-67630		20030313		

OS MARPAT 141:322669
GI



I

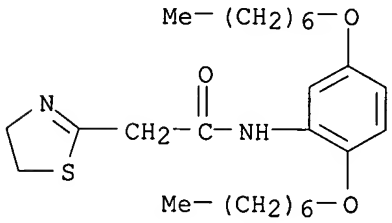
AB The material has a recording layer containing an azolylacetic acid derivative, a diazo compound, and I (R1-4 = alkyl, aryl, heterocycle; R5-8 = H, alkyl,

aryl; R5 and R6, and R7 and R8 may form a ring). It shows improved light stability of images.

IT **769171-75-7**
RL: TEM (Technical or engineered material use); USES (Uses)
(coupler; heat-developable diazo recording material containing azolylacetic acid coupler and spiroindane compound)

RN 769171-75-7 HCAPLUS

CN 2-Thiazoleacetamide, N-[2,5-bis(heptyloxy)phenyl]-4,5-dihydro- (9CI) (CA INDEX NAME)



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L101 ANSWER 1 OF 12 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:261327 HCAPLUS

DN 134:303086

TI Heat developing color photographic material

IN Naruse, Hideaki; Mizukawa, Hiroki

PA **Fuji Photo Film Co., Ltd., Japan**

SO Jpn. Kokai Tokkyo Koho, 66 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

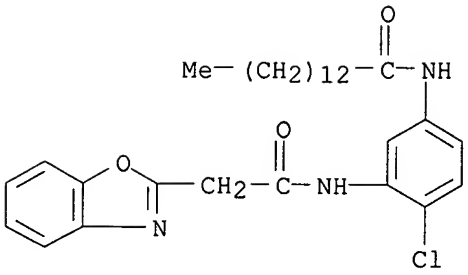
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001100384	A2	20010413	JP 1999-275755	19990929 <--
	US 6340561	B1	20020122	US 2000-675437	20000929 <--
PRAI	JP 1999-275755	A	19990929 <--		

AB In the heat-developable photog. material comprising a support having ≥2 photosensitive layers containing photosensitive Ag halide, a binder, a developer, and a colorless **coupler** which **couples** with the developer oxide to form diffusible dye (A), and CpLnDye (I; Cp = **coupler** residue; L = divalent linkage; n = 0, 1; Dye = diffusible dye residue), the colorless **coupler** and I are contained in the different layers and the color of the diffusible dye A is different from that of the dye from I. The material gives clear images without color stain in rapid processing.

IT **329745-84-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(bromination of; preparation of dye **coupler**)

RN 329745-84-8 HCAPLUS

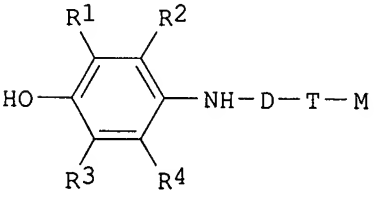
CN 2-Benzoxazoleacetamide, N-[2-chloro-5-[(1-oxotetradecyl)amino]phenyl]- (9CI) (CA INDEX NAME)



L101 ANSWER 2 OF 12 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2001:180941 HCAPLUS
DN 134:229657
TI Diffusion-transfer heat-developable silver halide photographic film
IN Mizukawa, Hiroki; Naruse, Hideaki
PA **Fuji Photo Film Co., Ltd., Japan**
SO Jpn. Kokai Tokkyo Koho, 77 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001066745	A2	20010316	JP 1999-237613	19990824 <--
PRAI	JP 1999-237613		19990824 <--		

OS MARPAT 134:229657
GI

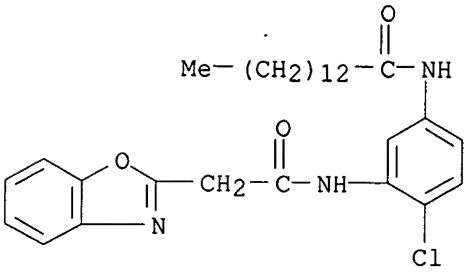


I

AB The photog. film contains CpLnDye (Cp = **coupler**; L = divalent linkage; n = 0, 1; Dye = diffusible dye residue) as a **coupler** and I (R1-4 = H, substituent; D = divalent group selected from CO, SO, SO2 PO; T = divalent linkage; M = nucleophilic group reactable with D when oxidized; R1 and R2, R3 and R4 may form a ring) or QNHNHR5 (Q = 5 to 7-membered ring bonds to NHNHR5 at C; R5 = carbamoyl, acyl, alkoxycarbonyl, aryloxycarbonyl, aryloxycarbonyl, sulfonyl, sulfamoyl) as a developer. The material gives high d. images with good discrimination by rapid processing.

IT **329745-84-8P**
RL: PNU (Preparation, unclassified); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(preparation of photog. **coupler**)

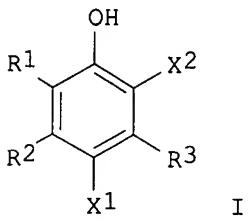
RN 329745-84-8 HCAPLUS
CN 2-Benzoxazoleacetamide, N-[2-chloro-5-[(1-oxotetradecyl)amino]phenyl]- (9CI) (CA INDEX NAME)



L101 ANSWER 3 OF 12 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2000:739604 HCAPLUS
DN 133:315666
TI Heat-developable photographic material containing phenolic compound as reducing agent
IN Suzuki, Hiroyuki; Sakai, Minoru; Hirano, Shigeo
PA **Fuji Photo Film Co., Ltd., Japan**
SO Jpn. Kokai Tokkyo Koho, 50 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2000292885	A2	20001020	JP 1999-102733	19990409 <--
PRAI JP 1999-102733		19990409 <--		

OS MARPAT 133:315666
GI

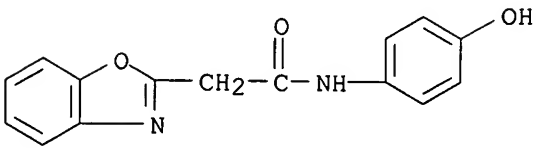


I

AB The material involves an image-forming layer containing a reducible Ag halide, a binder, ≥1 phenolic compound selected from I (R1-3 = H, substituent; X1 and/or X2 = NR4R5, the rest is H or other substituent; R4 and/or R5 = CO, R6, POR7, (R7)R8, the rest is H of other substituent; R6 = electron-withdrawing group-substituted alkyl; R7, R8 = H, alkyl, alkenyl, alkynyl, aryl, heterocyclic ring, amino, OH, alkoxy, or aryloxy which may form a ring), compds. made of 2 or 3 I combined with linking groups, and a polymer having polymeric chains for linking ≥2 I, and a reducing agent except for the phenolic compound on ≥1 side of a support. The material showed improved stability to changes of heat development conditions.

IT **301665-03-2**
RL: TEM (Technical or engineered material use); USES (Uses)
(heat-developable photog. silver salt material containing phenolic compound as reducing agent showing developability not affected with change of

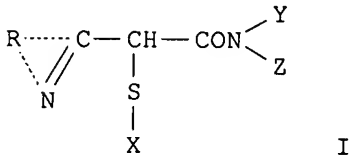
condition)
RN 301665-03-2 HCAPLUS
CN 2-Benzoxazoleacetamide, N-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



L101 ANSWER 4 OF 12 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1995:721297 HCAPLUS
DN 123:97793
TI Stable and fog-free silver halide photographic material
IN Morita, Kensuke; Kawagishi, Toshio
PA **Fuji Photo Film Co Ltd, Japan**
SO Jpn. Kokai Tokkyo Koho, 69 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

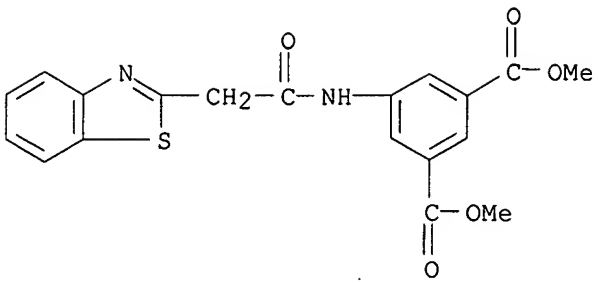
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07134381	A2	19950523	JP 1993-300766	19931108 <--
	JP 3116154	B2	20001211		
PRAI	JP 1993-300766		19931108 <--		

GI

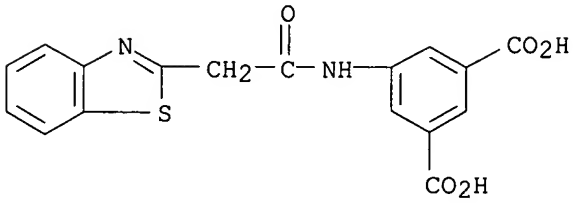


I

AB The title photog. material contains compound I (R = non-metallic atoms required to form heterocyclic ring; X = alkyl, cycloalkyl, alkenyl, aryl, heterocyclyl; the total C number of X is in the range of 8-50; Y, Z =H, alkyl, cycloalkyl, alkenyl, aryl, heterocyclyl).
IT **158658-78-7P 165895-17-0P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepared for preparation of additive for photog. material with good storage stability and free of fog)
RN 158658-78-7 HCAPLUS
CN 1,3-Benzenedicarboxylic acid, 5-[(2-benzothiazolylacetyl)amino]-, dimethyl ester (9CI) (CA INDEX NAME)



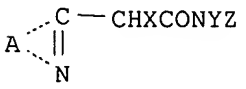
RN 165895-17-0 HCAPLUS
CN 1,3-Benzenedicarboxylic acid, 5-[(2-benzothiazolylacetyl)amino]- (9CI) (CA INDEX NAME)



L101 ANSWER 5 OF 12 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1994:667670 HCAPLUS
DN 121:267670
TI silver halide color photographic material
IN Morita, Kensuke; Kawagishi, Toshio; Ishii, Yoshio
PA **Fuji Photo Film Co Ltd, Japan**
SO Jpn. Kokai Tokkyo Koho, 68 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 06082998	A2	19940325	JP 1992-257578	19920902 <--
PRAI JP 1992-257578		19920902 <--		

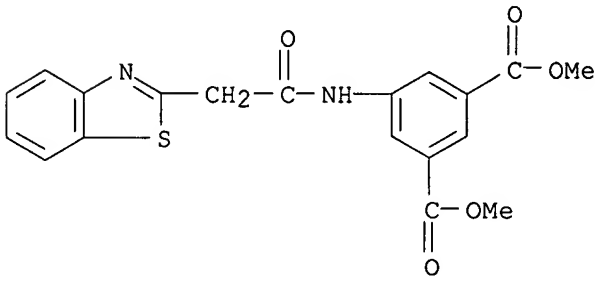
OS MARPAT 121:267670
GI



I

AB A silver halide color photog. material showing improved storage stability and reduced staining after processing comprises a compound represented by the formula I (A = a nonmetallic group necessary for forming a heterocyclic ring along with the -N=C- group; Y, Z = H, an aliphatic group, an aromatic group, or a heterocyclic group; X = a diffusion-resistant group which forms a leachable dye upon reaction with an oxidized developing agent).

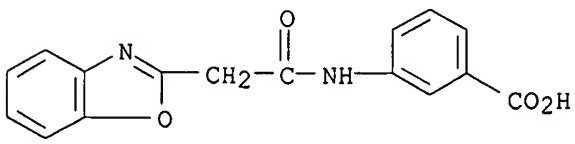
IT **158658-78-7**
RL: RCT (Reactant); TEM (Technical or engineered material use); RACT (Reactant or reagent); USES (Uses)
(bleachable dye-forming photog. **coupler** preparation using)
RN 158658-78-7 HCAPLUS
CN 1,3-Benzenedicarboxylic acid, 5-[(2-benzothiazolylacetyl)amino]-, dimethyl ester (9CI) (CA INDEX NAME)



L101 ANSWER 6 OF 12 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1992:458742 HCAPLUS
DN 117:58742
TI Formalin-resistive silver halide color photographic photosensitive materials
IN Kaguchi, Hiroyuki; Hirabayashi, Shigeto
PA Konica Co., Japan
SO Jpn. Kokai Tokkyo Koho, 17 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 03140948	A2	19910614	JP 1989-279254	19891026 <--
PRAI	JP 1989-279254		19891026 <--		

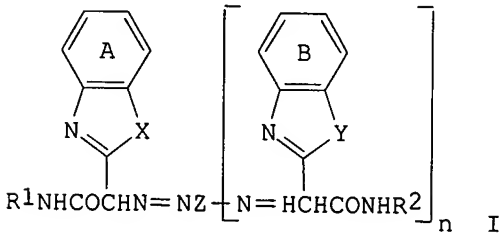
AB In the title material having on a support at least 1 photosensitive Ag halide emulsion layer and at least 1 nonphotosensitive layer located farther from the support than at least 1 of the photosensitive Ag halide emulsion layers, at least 1 of the nonphotosensitive layers contains a dischargeable 4-equivalent photog. **coupler** (a formalin scavenger dischargeable into processing solns. after development without remaining in the final images).
IT **138826-77-4**
RL: USES (Uses)
(dischargeable four-equivalent photog. **coupler**, as formalin scavenger)
RN 138826-77-4 HCAPLUS
CN Benzoic acid, 3-[(2-benzoxazolylacetyl)amino]- (9CI) (CA INDEX NAME)



L101 ANSWER 7 OF 12 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1992:43076 HCAPLUS
DN 116:43076
TI Azo pigments, their preparation and use
IN Jung, Ruediger; Deubel, Reinhold
PA Hoechst A.-G., Germany
SO Ger. Offen., 45 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4007535	A1	19910912	DE 1990-4007535	19900309 <--
	WO 9113941	A1	19910919	WO 1991-EP384	19910301 <--
	W: AU, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
	AU 9173462	A1	19911010	AU 1991-73462	19910301 <--
	AU 641483	B2	19930923		
	EP 518909	A1	19921223	EP 1991-905075	19910301 <--
	EP 518909	B1	19940525		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	JP 05504370	T2	19930708	JP 1991-505169	19910301 <--
	US 5493011	A	19960220	US 1992-934479	19921106 <--
PRAI	DE 1990-4007535	A	19900309 <--		
	WO 1991-EP384	A	19910301 <--		

OS MARPAT 116:43076
GI

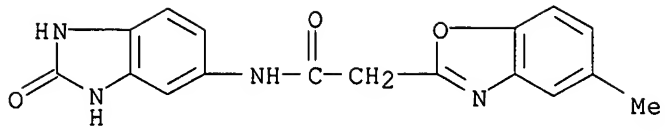


I

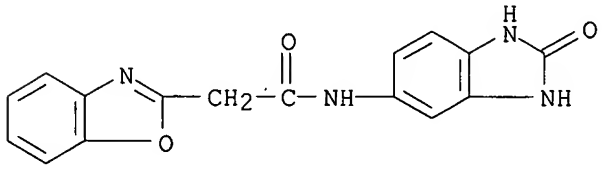
AB The pigments (I; R1, R2 = carbocyclic or heterocyclic aromatic group; X, Y = O, NH, NR3; R3 = aliphatic or aromatic group; n = 0, 1; Z = aromatic **diazo** or **bisdiazo** component residue; rings A and B may be substituted or annelated) are prepared by azo **coupling** and are suitable for plastics, textiles, and paper. Thus, Et 2-benzimidazolylacetate was condensed with 2-aminoanisole to give the methoxyanilide (II). 4-Chloro-2-nitroaniline was **diazotized** and **coupled** with II to give reddish yellow I (R1 = o-methoxyphenyl; X = NH; Z = 4-chloro-2-nitrophenyl; n = 0).

IT **138399-32-3P 138399-39-0P 138399-40-3P**
138399-41-4P 138399-42-5P
RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of, as azo **coupling** component)

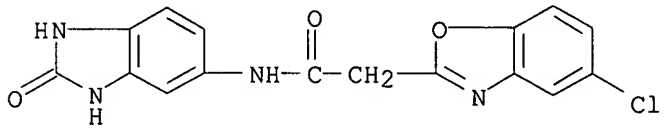
RN 138399-32-3 HCAPLUS
CN 2-Benzoxazoleacetamide, N-(2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)-5-methyl- (9CI) (CA INDEX NAME)



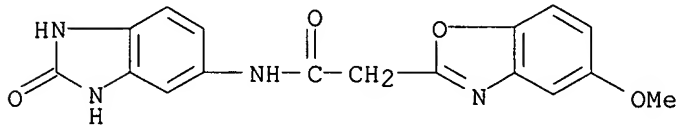
RN 138399-39-0 HCAPLUS
CN 2-Benzoxazoleacetamide, N-(2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)- (9CI) (CA INDEX NAME)



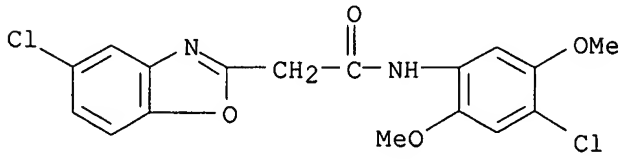
RN 138399-40-3 HCAPLUS
CN 2-Benzoxazoleacetamide, 5-chloro-N-(2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)- (9CI) (CA INDEX NAME)



RN 138399-41-4 HCAPLUS
CN 2-Benzoxazoleacetamide, N-(2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)-5-methoxy- (9CI) (CA INDEX NAME)



RN 138399-42-5 HCAPLUS
CN 2-Benzoxazoleacetamide, 5-chloro-N-(4-chloro-2,5-dimethoxyphenyl)- (9CI) (CA INDEX NAME)

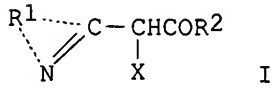


L101 ANSWER 8 OF 12 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1990:581279 HCAPLUS

DN 113:181279
TI Silver halide color photographic material containing development inhibitor-releasing **coupler** and hydrophobic two-equivalent yellow **coupler**
IN Ichijima, Yasushi; Shimada, Yasuhiro
PA **Fuji Photo Film Co., Ltd., Japan**
SO Jpn. Kokai Tokkyo Koho, 35 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

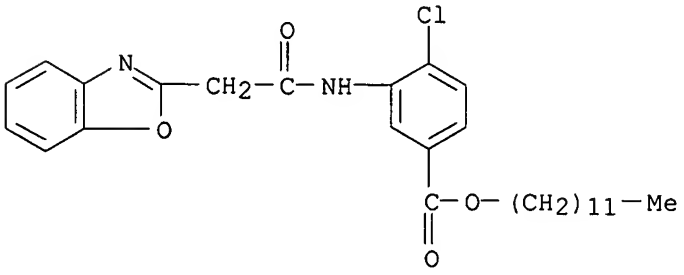
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 02044337	A2	19900214	JP 1988-194640	19880805 <--
PRAI JP 1988-194640		19880805 <--		

GI



I

AB The title color photog. material contains ≥1 DIR **coupler** (I) [R1 = group necessary to form a heterocyclic ring with N:C moiety; R2 = organic moiety; X = group forming development inhibitor], and ≥1 hydrophobic 2-equivalent yellow **coupler**, R3COC(Y)HCONHR4 [R3 = aromatic, 3° alkyl; R4 = aromatic; Y = aromatic oxy, or N-containing unsatd. 5-membered ring, 5-membered cyclic amide; R3, R4, or Y becomes divalent to form a polymer **coupler**]. The color photog. material shows improved sharpness.
IT **130110-28-0**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, as development inhibitor-releasing **coupler**)
RN 130110-28-0 HCAPLUS
CN Benzoic acid, 3-[(2-benzoxazolylacetyl)amino]-4-chloro-, dodecyl ester (9CI) (CA INDEX NAME)

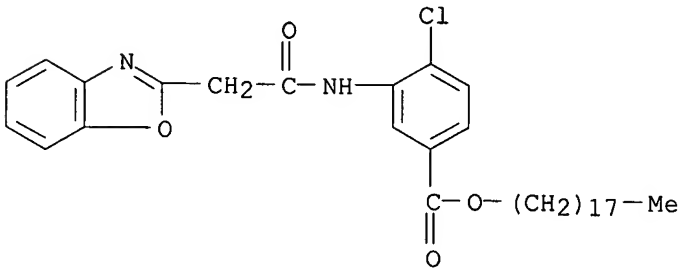


L101 ANSWER 9 OF 12 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1990:226674 HCAPLUS
DN 112:226674
TI Color photographic material containing heterocyclic carbamoyl yellow dye-forming **coupler**
IN Ogawa, Akira; Ishii, Yoshio; Ichijima, Yasushi
PA **Fuji Photo Film Co., Ltd., Japan**

SO Jpn. Kokai Tokkyo Koho, 33 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 01233452	A2	19890919	JP 1988-60074	19880314 <--
PRAI JP 1988-60074		19880314 <--		

GI For diagram(s), see printed CA Issue.
AB The title color photog. material contains a dye-forming **coupler** of the structure I [R1 = a group necessary to form a 5-membered unsatd. heterocyclic ring with CCX1HCONHR2(B2)m; R2 = an aromatic group; B1, B2 = a ballast group; X1 ≠ a photog. useful group, and X1 = a group to be released upon reaction with an oxidized aromatic primary amine developer; n, m = 0, 1; n + m = 1]. A photog. material using I shows improved sharpness and sensitivity.
IT **127192-29-4**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, heterocyclic carbamoyl photog. yellow **coupler** from)
RN 127192-29-4 HCAPLUS
CN Benzoic acid, 3-[(2-benzoxazolylacetyl)amino]-4-chloro-, octadecyl ester (9CI) (CA INDEX NAME)



L101 ANSWER 10 OF 12 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1990:226673 HCAPLUS
DN 112:226673
TI Color photographic material containing photographic useful group-releasing compound
IN Ogawa, Akira; Ichijima, Yasushi
PA **Fuji Photo Film Co., Ltd., Japan**
SO Jpn. Kokai Tokkyo Koho, 27 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 01233451	A2	19890919	JP 1988-61331	19880315 <--
PRAI JP 1988-61331		19880315 <--		

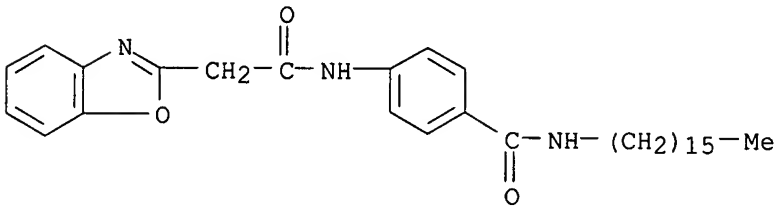
GI For diagram(s), see printed CA Issue.
AB The title color photog. material contains ≥1 compound of the structure I [R1 = group necessary to form an unsatd. 5-membered N-containing ring with CCHR2X1(DI)n; R2 = CO2R3, CONHR4; R3, R4 = aliphatic, aromatic; X1 = a group releasing n-DI- upon reaction with an oxidized aromatic primary amine

developer after releasing -X1(DI)n upon reaction with an oxidized aromatic primary amine developer; DI = photog. useful group; n = 1, 2]. A development inhibitor-releasing compound is an example of I.

IT **127192-43-2**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, photog. development inhibitor-releasing compound from)

RN 127192-43-2 HCAPLUS

CN 2-Benzoxazoleacetamide, N-[4-[(hexadecylamino)carbonyl]phenyl]- (9CI) (CA INDEX NAME)



L101 ANSWER 11 OF 12 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1990:207777 HCAPLUS

DN 112:207777

TI Color photographic material containing dye-forming **coupler**

IN Ogawa, Akira; Ishii, Yoshio; Ichijima, Yasushi

PA **Fuji Photo Film Co., Ltd., Japan**

SO Jpn. Kokai Tokkyo Koho, 24 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 01237656	A2	19890922	JP 1988-63671	19880318 <--
PRAI JP 1988-63671		19880318 <--		

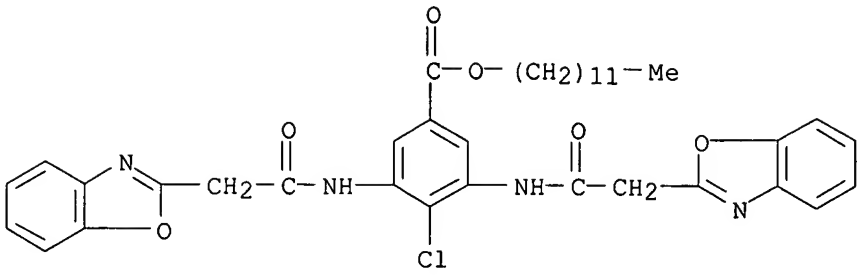
GI For diagram(s), see printed CA Issue.

AB The title color photog. material contains a dye-forming **coupler** of the structure I [R1 = a group necessary to form a N-containing 5- or 6-membered unsatd. heterocyclic ring; R2 = halo, alkoxy; B1 = ballast group; X1 = a group to be released upon reaction with an oxidized aromatic primary amine developer]. I is especially useful as a yellow dye-forming **coupler**.

IT **126793-83-7**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, photog. yellow **coupler** from)

RN 126793-83-7 HCAPLUS

CN Benzoic acid, 3,5-bis[(2-benzoxazolylacetyl)amino]-4-chloro-, dodecyl ester (9CI) (CA INDEX NAME)



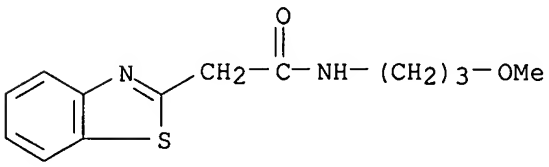
L101 ANSWER 12 OF 12 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1974:146965 HCAPLUS
DN 80:146965
TI Azo dyes
IN Lauer, Dieter; Dehnert, Johannes
PA BASF A.-G.
SO Ger. Offen., 32 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 2232449	A1	19740110	DE 1972-2232449	19720701 <--
PRAI DE 1972-2232449	A	19720701 <--		

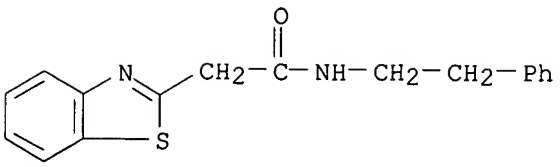
AB **Coupling** of **diazotized** RNH2 (R = substituted phenyl or anthraquinonyl) with 2-(2-benzothiazolyl)acetamides or alkyl (2-benzothiazolyl)acetates gave azo dyes I [R1 = NH2, NH(CH2)3OMe, NHCH2CH2Ph, alkoxy; n = 0 or 1], fast yellow to orange on polyamide (n = 1) and polyester (n = 0) fibers. Thus, 2,4-O2N(HO3S)C6H3NH2 was **diazotized** and **coupled** with 2-(2-benzothiazolyl)acetamide [51542-41-7] (prepared from o-H2NC6H4SH and NCCH2CONH2) to give azo dye II [51478-86-5], light-and washfast yellow on polycaprolactam. Similarly, **diazotized** 4,2-Cl(O2N)C6H3NH2 was. **Coupled** with 2-(2-benzothiazolyl)-N-phenethylacetamide [**51478-95-6**] to give azo dye I [R = 4,2-Cl(O2N)C6H3, R1 = NHCH2CH2Ph, n = 0] [51478-91-2], fast yellow on polyester fibers. Nine other dyes were prepared

IT **51478-93-4P 51478-95-6P**
RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of and **coupling** with **diazotized** chloronitroaniline)

RN 51478-93-4 HCAPLUS
CN 2-Benzothiazoleacetamide, N-(3-methoxypropyl)- (9CI) (CA INDEX NAME)



RN 51478-95-6 HCAPLUS
CN 2-Benzothiazoleacetamide, N-(2-phenylethyl)- (9CI) (CA INDEX NAME)



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		E SAITO/AU
L2	10	S E3
		E SAITO N/AU
L3	1181	S E3-E6,E24,E44
		E NAOKI/AU
L4	2	S E3,E50
		E MATSUSHITA/AU
L5	3	S E3
		E MATSUSHITA T/AU
L6	663	S E3,E72,E77
		E MATSUSHITA NAME/AU
L7	18	S E4
		E TETSUNORI/AU
		E FUJITA/AU
L8	5	S E3
L9	182	S E4,E5
L10	47	S E27
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L11	54	S E4
		E AKINORI/AU
		E TAKEUCHI/AU
		E TAKEUCHI Y/AU
L12	622	S E3-E5
		E TAKEUCHI YOH/AU
L13	10	S E5,E6
		E TAKEUCHI NAME/AU
L14	64	S E4
		E YOHSUKE/AU
		E HIGUCHI/AU
L15	2	S E3
		E HIGUCHI S/AU
L16	165	S E3
L17	58	S E19
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L18	14	S E4
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L22          868 S E3-E5
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L24           35 S E4-E9
                 E IKEDA NAME/AU
L25           82 S E4
                 E KIMI/AU
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L26           14 S E1-E14
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L28           45 S L27
L29              STR L27
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L31          687 S L29 FUL
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L32              STR L29
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L34            4 S L26 AND L31

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L35            6 S L31
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                 EDIT E15-E20 /AN /OREF

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L36            9 S E15-E20
L37            6 S L36 NOT (BILLMAN ? OR ASINGER ? OR MAHAPATRA ?)/AU
L38          123 S L31
L39            5 S L38 AND L37
L40            6 S L37,L39
L41            9 S L38 AND L1-L25
                 E TAKEUCHI YOSUKE/AU
L42           70 S E3,E4
                 E  YOSUKE/AU
L43            2 S L38 AND L42
L44            9 S L41,L43
L45           22 S L38 AND FUJI?/PA,CS
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L47           38 S L46 NOT P/DT
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L49           64 S L48 AND (PD<=20030210 OR PRD<=20030210 OR AD<=20030210)
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L51            5 S L44 AND L46
L52          105 S L50,L51
                 E RECORDING MATERIAL/CT
L53         3700 S E16
                 E E4+ALL
L54       209903 S E2+OLD,NT
                 E E47+ALL
                 E E2+ALL
                 E E57+ALL
L55       250289 S E2+OLD,NT
                 E E66+ALL
L56       243502 S E1+OLD,NT
L57           20 S L52 AND L53-L56
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L59            4 S RECORDING AND L52
L60           29 S L57-L59
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L61            8 S L60 AND ?DIAZO?
L62           14 S L60 AND ?COUPL?
L63           16 S L61,L62
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L70           15 S L69 AND (NCOC2-C6 OR NCSC2-C6)/ES
L71           16 S L69 NOT L70

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L74            7 S L72 AND FUJI?/PA,CS
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L76            2 S L75 AND (?DIAZO? OR ?COUPL?)
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L78            2 S L75 AND (PHOTO? OR REPROGRAPH?)/SC,SX
L79            2 S L75 AND RECORD?
L80            2 S L75-L79
L81            5 S L74 NOT L80

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     FILE 'HCAPLUS' ENTERED AT 13:29:39 ON 02 OCT 2006

     FILE 'REGISTRY' ENTERED AT 13:31:45 ON 02 OCT 2006
L82           24 S L67 AND 3/NR
L83           22 S L82 NOT NC2OC2/ES
L84           19 S L67 NOT L82
L85           11 S L84 AND 2/NR
L86           33 S L83,L85
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                 SEL RN 6 7 9 10
L88            4 S E78-E81
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L90           50 S L70,L89

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L97            0 S L92 AND RECORD?
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L101          12 S L100 NOT 46:26032/DN
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